

SECRET 64848680

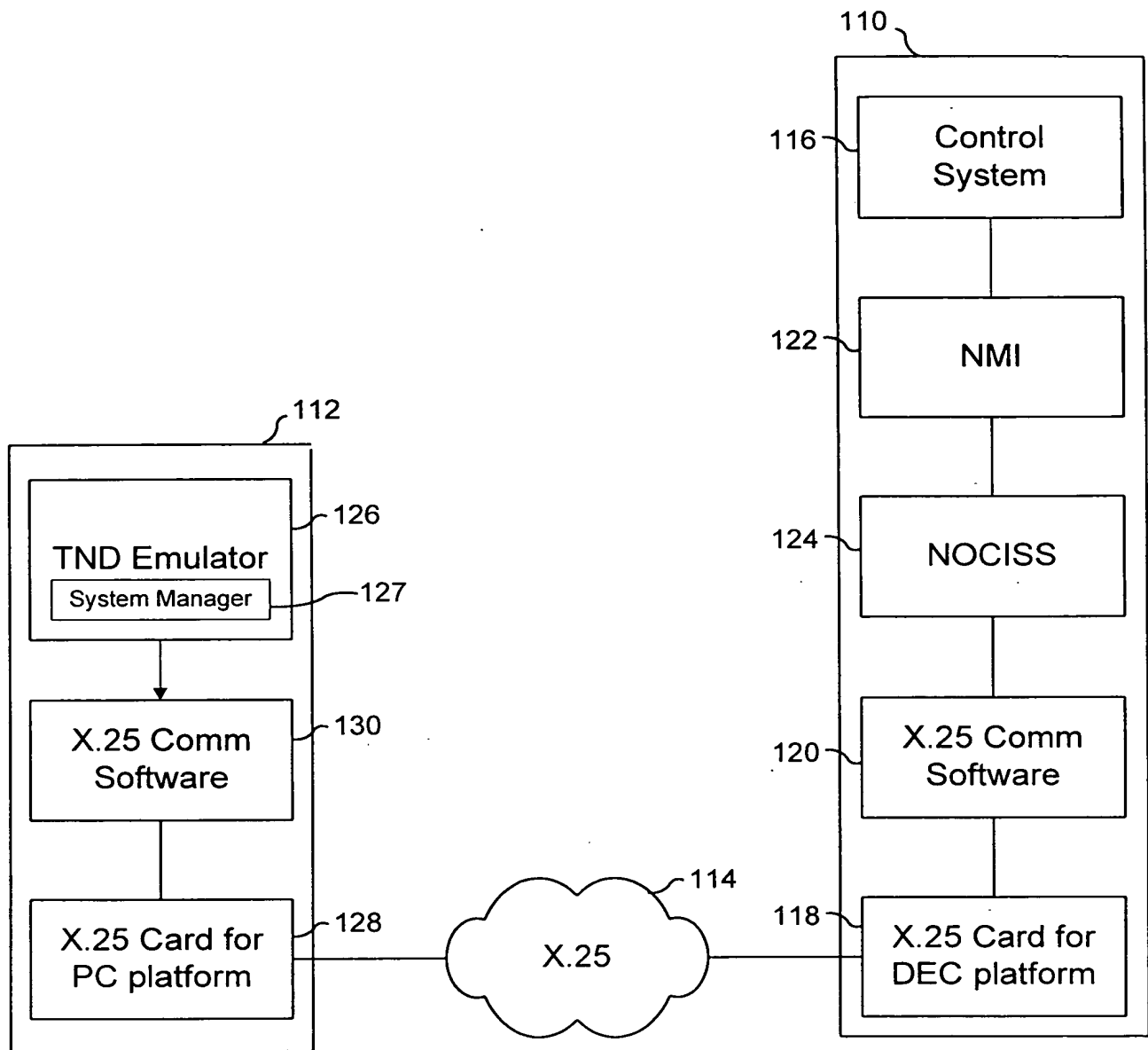


FIG. 1

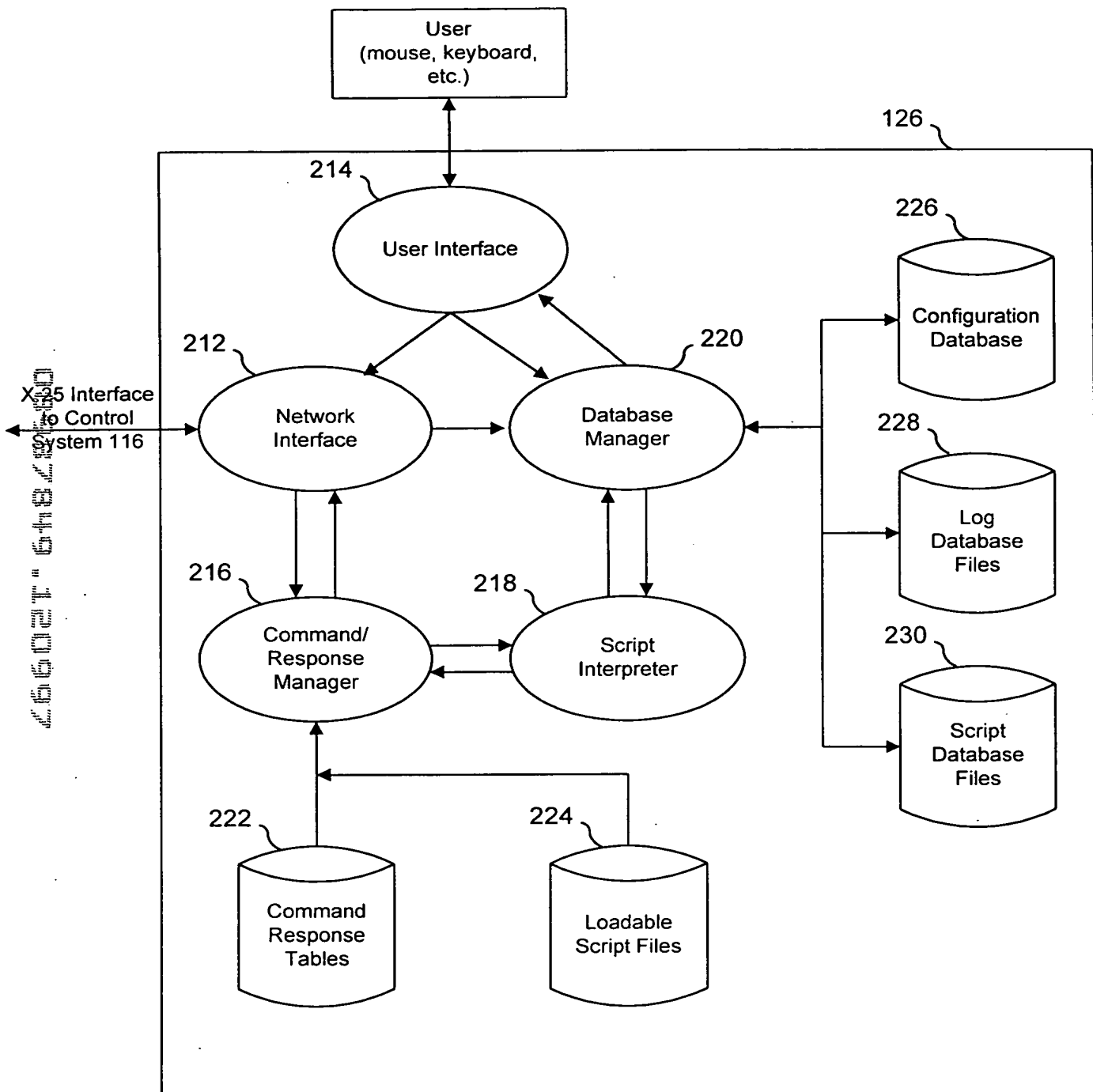
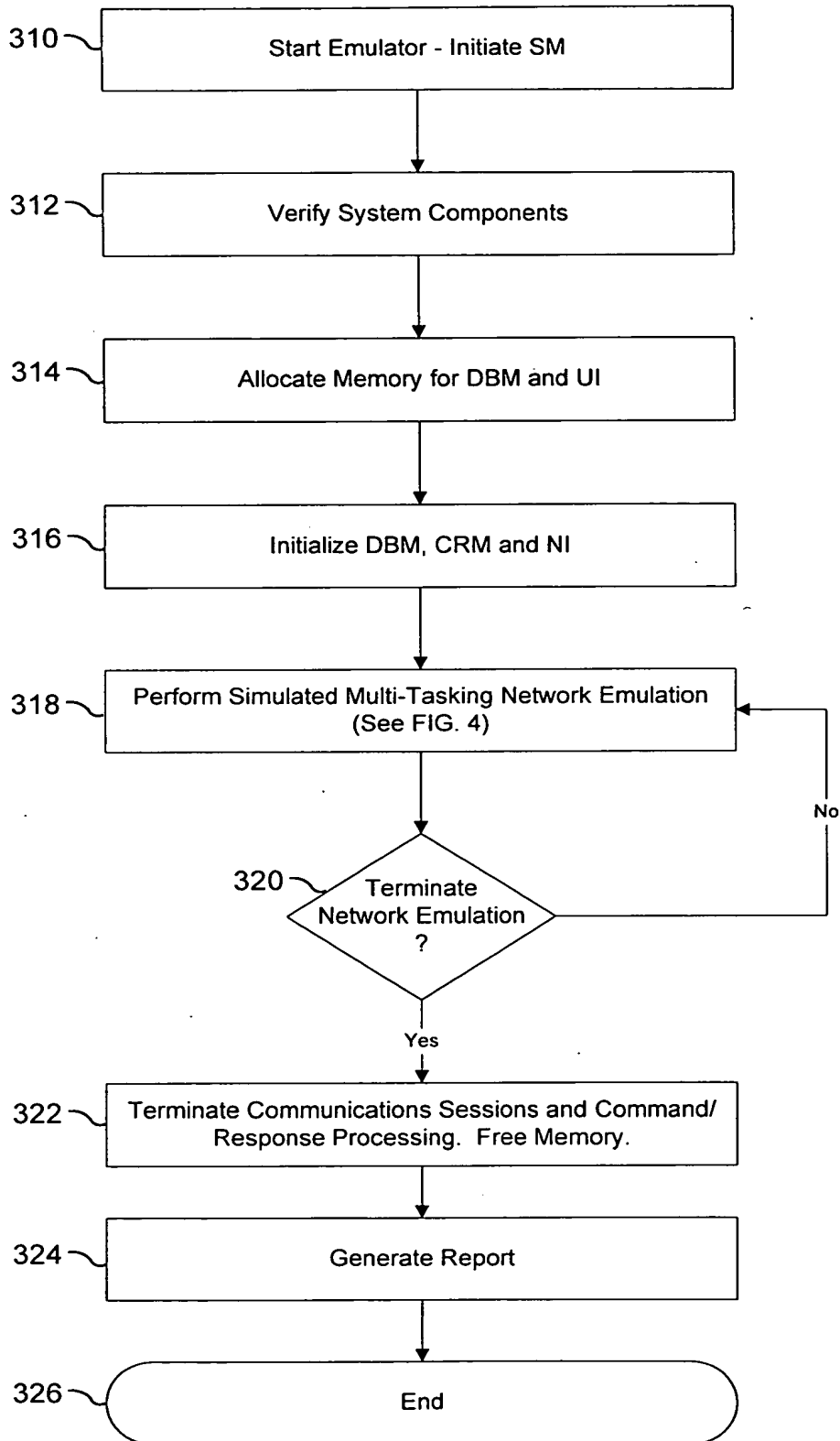


FIG. 2

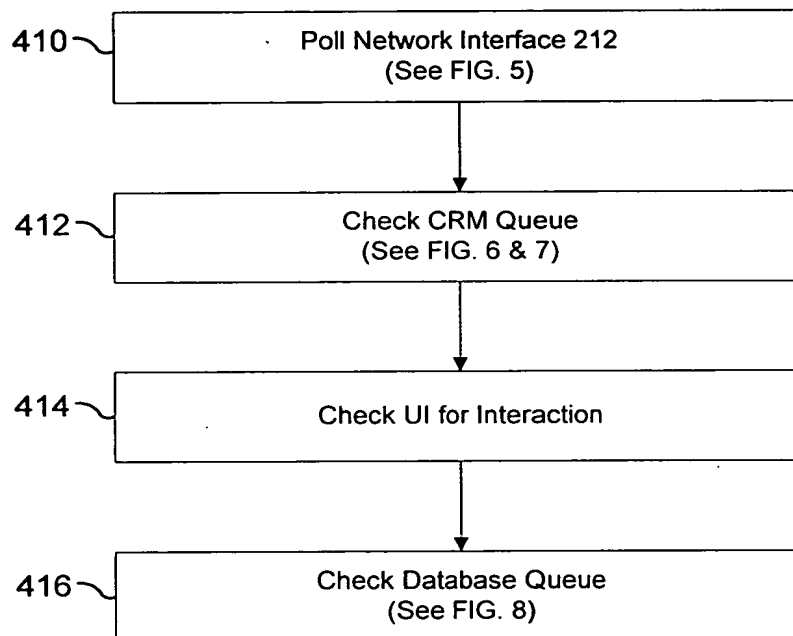
2025 RELEASE UNDER E.O. 14176



System Manager

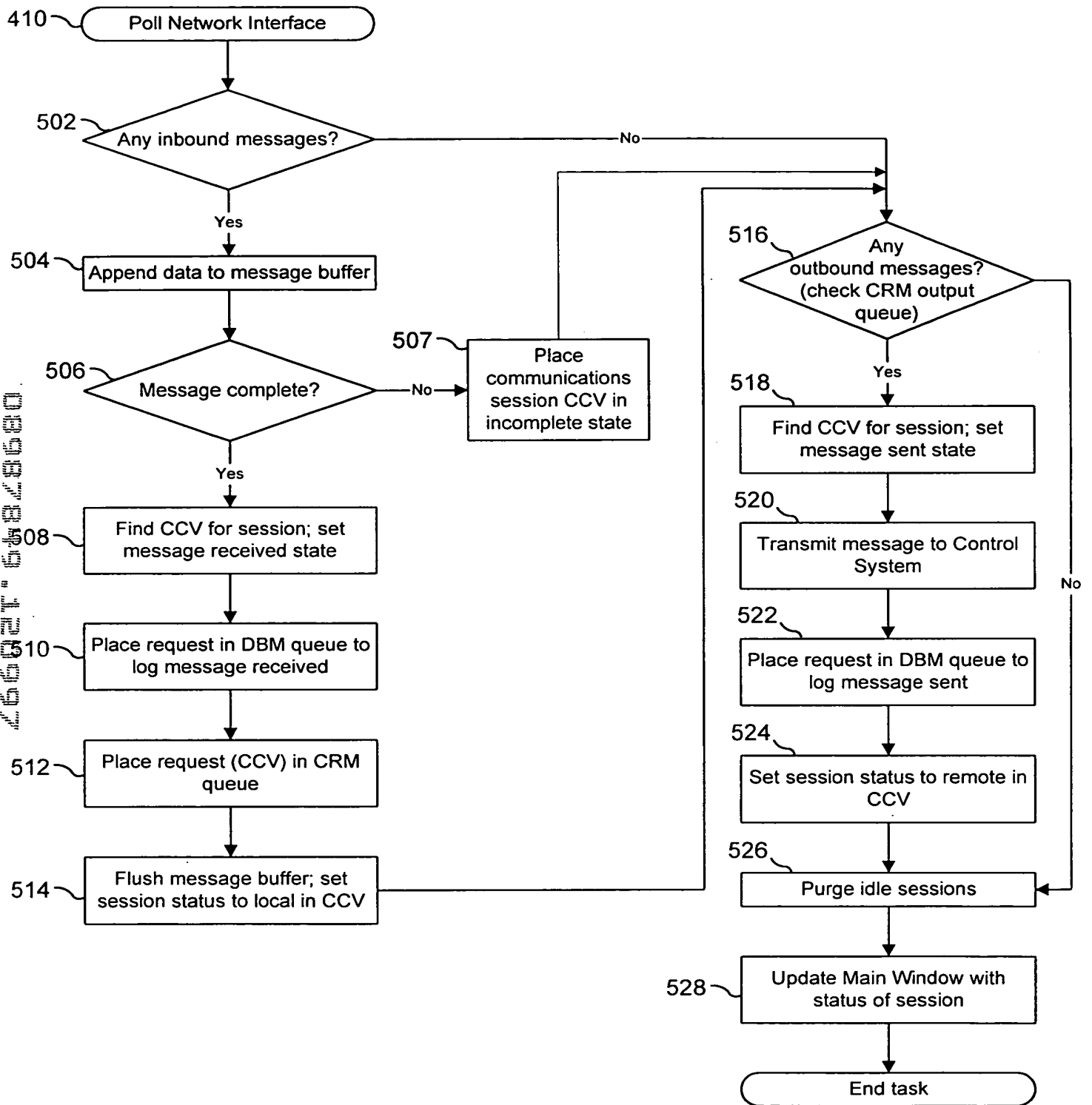
FIG. 3

318



Simulated Multitasking

FIG. 4



Polling Network Interface

FIG. 5

```

graph TD
    412([Check CRM queue]) --> 602{Any CCV's in queue?}
    602 -- Yes --> 604[Read queue]
    604 --> 606{Is script execution in progress?}
    606 -- Yes --> 608[Execute script]
    606 -- No --> 610[Locate command in Command Response Table using CCV Message Buffer]
    610 --> 612[Read action to take]
    612 --> 614{Simple response or execute script?}
    614 -- execute script --> 616[Start script execution]
    614 -- simple response --> 618[Read response field; format message accordingly]
    616 --> 620{Message processing complete?}
    618 --> 620
    608 --> 620
    620 -- No --> 622[Requeue CCV in CRM queue]
    622 --> 620
    620 -- Yes --> 624[Queue CCV and response message to NI queue]
    624 --> End([End task])
    602 -- No --> End

```

FIG. 6

000007965 || **10045**

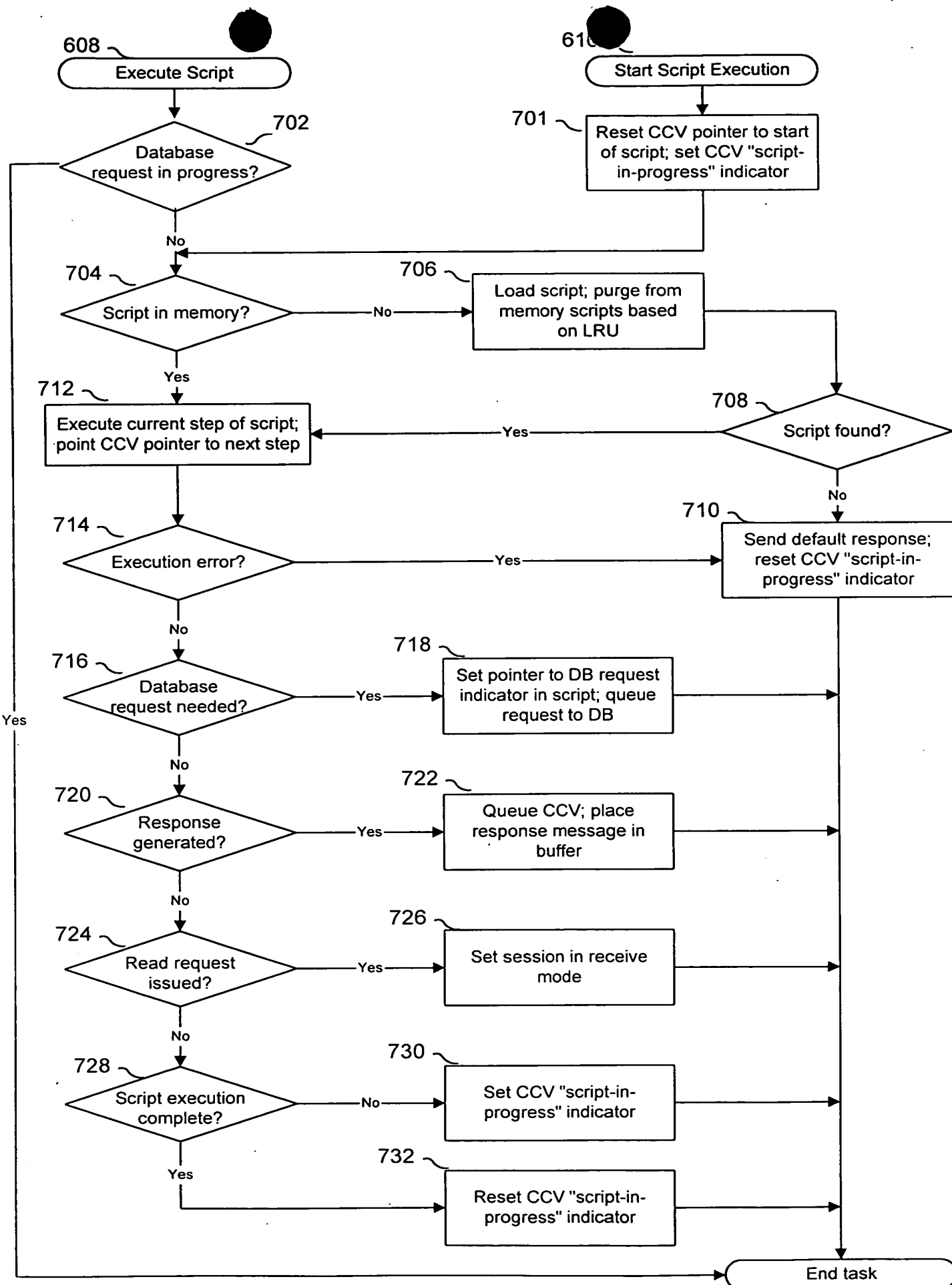
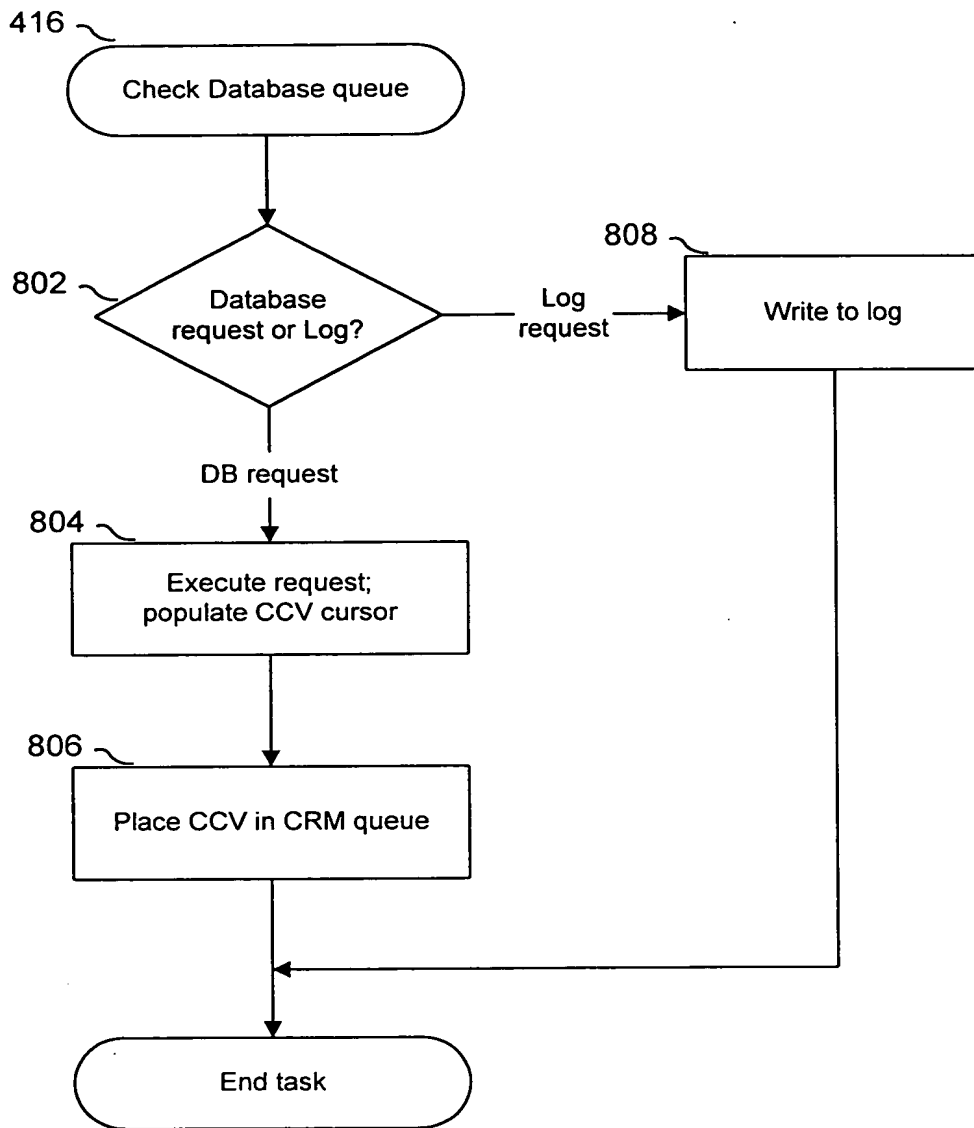


FIG. 7

255027" 54828680



CHECKING DATABASE QUEUE

FIG. 8

45502T" 6782868D

910

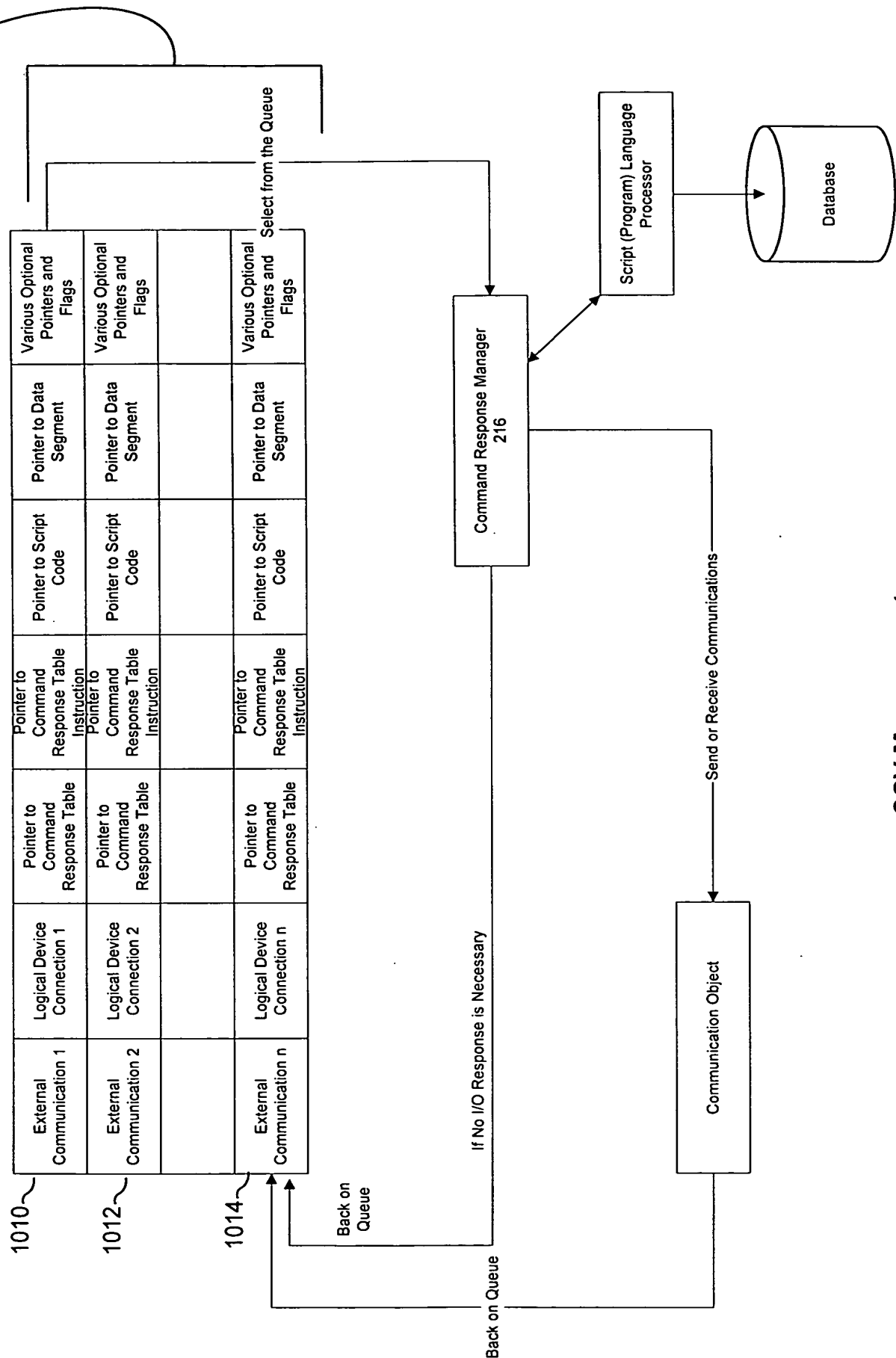


912 ~	914 ~	916 ~	918 ~	920 ~	922 ~	924 ~
External Communication	Logical Device Connection	Pointer to Command Response Table	Pointer to Command Response Table Instruction	Pointer to Script Code	Pointer to Data Segment holding Data Variables for Script Code Execution	Various Optional Pointers and Flags

Command Control Vector

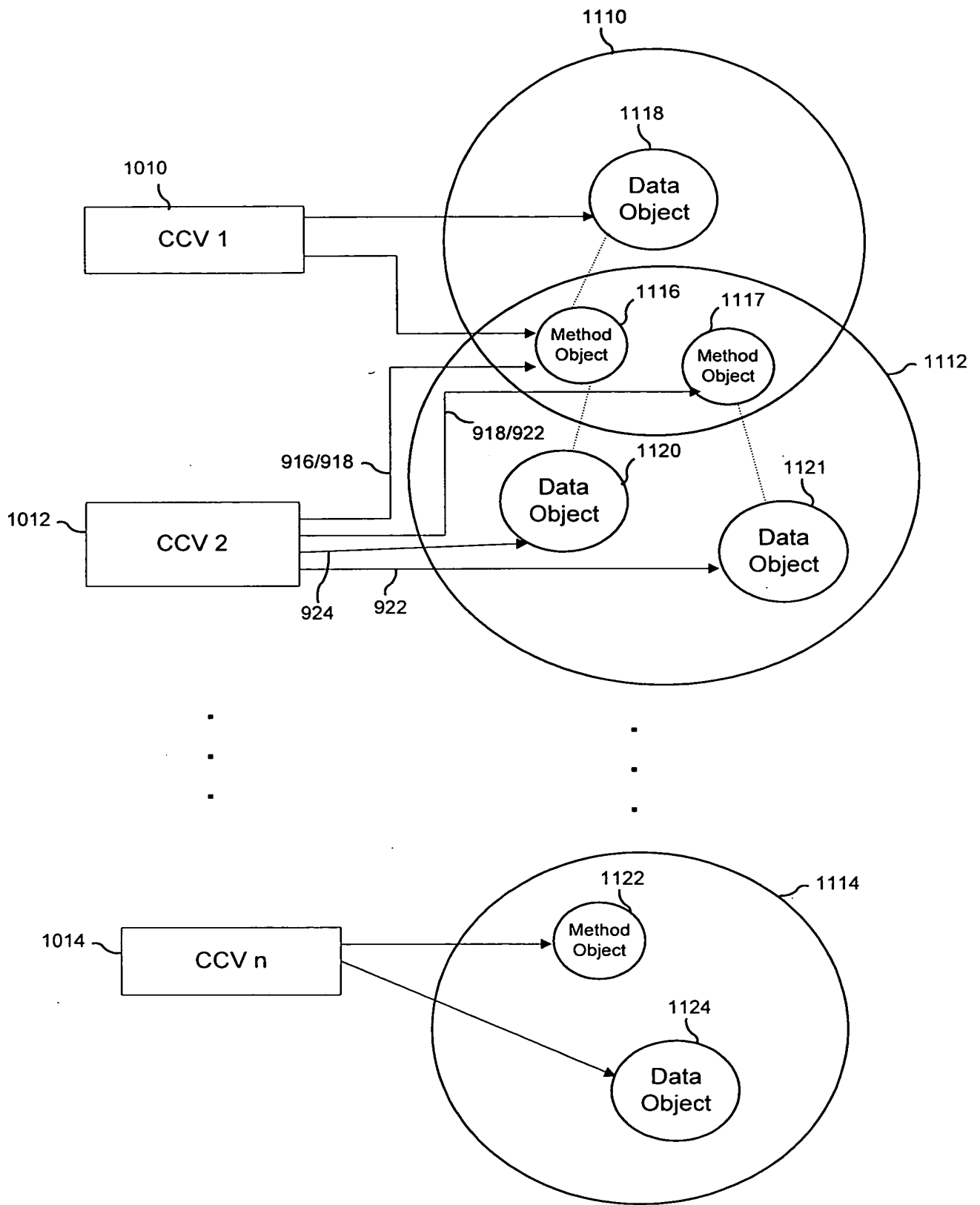
FIG. 9

CCV Queue 1016



CCV Management

FIG. 10



Virtual Objects

FIG. 11

DevID	DevType
1	DMS250
2	DEX
3	CTS
4	SCX
5	AXE
6	DEX600E
8	STP
9	DAO
A	DXC
B	ESF
C	AP
D	CAC
E	DIM
F	LSE
G	MRS
H	SITECN
J	APC
K	(unk)
N	GATEWY
P	PRESID
S	NAOM
T	DAOM

Table 2

Field Name	Type	Index	Description
DevID	A1	Y	Valid Device ID
DevType	A8	N	Valid Device Types

Table 1

Field Name	Type	Index	Description
FinID	A5	Y	Finance ID
DevType	A8	Y	Generic Name of Table
DOSName	A8	N	Unique DOS File Name

Table 5

Field Name	Type	Index	Description
Time	N	N	Time of event in HHMMSSSS format
Task	N	N	Task No. corresponding to Virtual Circuit Posting Log Message
Message	A80	N	Message posted


Table 3: Trace Log

Field Name	Type	Index	Description
Time	N	N	Time of event in HHMMSSSS format
FinID	A8	N	Finance ID of Session Logging Message
SessNo	A8	N	Session No. corresponding to the Virtual Circuit Posting Log Message
Message	A80	N	Message posted

Table 4: Communications Log

08987849 1009
466037 64828880

1410



The Command Response Manager uses a Command Response Table to generate responses to messages.

	Column	Size	Description
1412	Entry	integer	Unique Identifying Number
1414	Command	Varying 0-256 characters	Selection Criteria
1416	Response	Varying 0-256 characters	Response Text String
1418	Next Response	integer	pointer to next response entry
1420	Next Command	integer	pointer to next command entry
1422	Next Condition	integer	pointer to next condition entry
1424	Repeat	integer	repeat this message n times
1426	Delay	integer	delay message n seconds

Command Response Table Format

The diagram illustrates the internal structure of the Hybrid Preemptive/Cooperative Multitasking Module 1512. It is represented as a large rectangle containing three smaller, distinct modules:

- Preemptive Processing Module 1514**: Located in the upper left corner of the main module.
- Cooperative Processing Module 1516**: Located in the upper right corner of the main module.
- Hybrid Preemptive/Cooperative Multitasking Module 1512**: This label is positioned at the bottom center of the large rectangle, identifying the entire assembly.

```
graph TD; subgraph Module_1512 [Hybrid Preemptive/Cooperative Multitasking Module 1512]; direction TB; subgraph TopRow; direction LR; PPM[Preemptive Processing Module 1514]; CPM[Cooperative Processing Module 1516]; end; end;
```

FIG. 15

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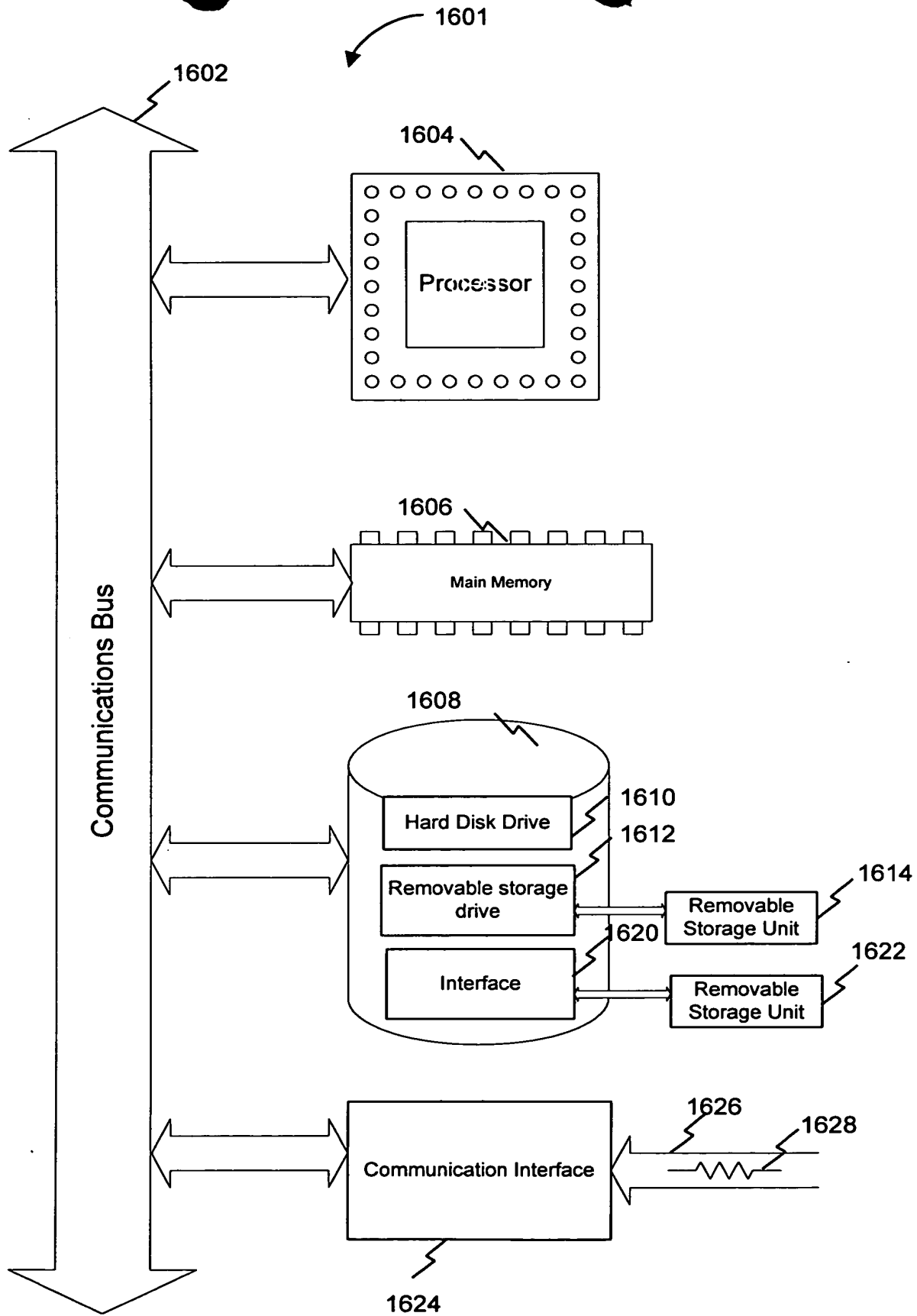


FIG. 16